From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
Subject: [7374] 10 METER BEACON LIST (fwd)
Message-ID: <Pine.SOL.3.91.960419083354.11909B-100000@utkux4.utcc.utk.edu>

The following is a lengthy list of 10-meter beacons for tracking band openings. A copy is also in the archives of tenten-l, if you need acopy later.
-73-
LB, W4RNL

From: Russ Gauthier <n5ejs@linknet.net>
Subject: Re: 10 METER BEACON LIST

10 METER BEACON LIST
COMPILED BY N5EJS

C=CONTINUOUS; I=INTERMITTENT; *=REVISED

FREQ.	CALL	OPERATION	LOCATION	NOTES
28.175	VE3TEN	C	OTTAWA, CANADA	10W, GP
28.1825	SV3AQR/B	C	AMALIAS, GREECE	4W, GP
28.191	VE6YF		EDMONTON, ALBERTA	10W
28.195	IY4M	ROBOT	BOLOGNA, ITALY	20W, 5/8 GP
28.1965	VE7MTY		BC, CANADA	5W
28.200	GB3SX	C	CROWBOROUGH, ENGLAND	8W, DIPOLE
28.200	LU4AA	I	ARGENTINA WITH PWR REDUCTION	TRANSMITS EVERY 3 MIN
28.201	LU8ED		ARGENTINA	5W
28.202	KE5GY		ARLINGTON, TX	5W, VERT
28.2025	ZS5VHF		NATAL, RSA	5W, GP
28.204	DL0IGI	C	W. GERMANY	100W, VERT DIPOLE
28.205	KA3OEM		MEADVILLE, PA.	27W, YAGI/WEST
28.206	KJ4X		PICKENS, SC	2W, VERT
28.2075	W8FKL	C	VENICE, FLA	10W, VERT
28.208	WA1IOB	C	MARLBORO, MASS	75W, VERT
28.209	NX2O	C	STATEN ISLAND, NY	10W, GP
28.210	3B8MS	C	MAURITIUS	GP
28.210	K4KMZ	I	ELIZABETHTOWN, KY.	20W, VERT
28.210	KC4DPC	C	WILMINGTON,NC	4W, DIPOLE
28.212	EA6RCM		PALMA DE MALLORCA	4W, 5 EL NNE
28.2125	ZD9GI	C	GOUGH IS.	GP
28.213	PT7BCN	C	CEARA, BRAZIL	
28.215	GB3RAL	C	SLOUGH, BERKSHIRE	20W, GP
28.2175	W8UR		MACKINAW ISLAND,MI	.5W, GP

28.2175	WB9VMY	C	CALUMET, OK.	2W, DIPOLE
28.2185	PT8AA		RIO BRANCO, BRZ FI60CA	5W, GP
28.2195	LU4XS		CAPE HORN	
28.2195	KB9DJA		IN, USA	
28.220	5B4CY	C	CYPRUS	26W, GP
28.221	PY2GOB		SAN PAULO, BRAZIL	15W, VERT
28.2215	K5PF		NC, USA	
28.222	W9UXO	C	NR CHICAGO, ILL.	10W, GP
28.2225	HG2BHA	C	TAPOLCA, HUNGARY	10W, GP
*28.225	PY2AMI	C	SAO PAULO, BRAZIL	5W, DIPOLE
28.225	N6TWX	I	GRASSVALLEY, CA	30W, 3 EL YAGI
28.225	KW7Y		EVERETT, WA	4W, OMNI
28.2254	LW5EJW		ARG	
28.2275	EA6AU	C	MALLORCA, BALEARIC IS.	10W, 5/8 GP
28.230	ZL2MHF	C	MT. CLIMIE, NZ.	50W, VERT DIPOLE
28.232	W7JPI/AZ	C	SONOITA, ARIZ.	5W, 3 EL YAGI NE
28.233	KD4EC	C	JUPITER, FLA.	7W, GP
28.235	VP9BA	C	HAMILTON, BERMUDA	10W, GP
28.237	NV6A	C	SAN DIEGO, CA	0.5W, VERT
28.2375	LA5TEN	C	OSLO, NORWAY	10W, 5/8 GP
28.239	K8FZW		OH, USA	
28.240	AB8Z		OH, USA	
28.2405	5Z4ERR	C	KIAMBU, KENYA	
28241	VA3SSB	C	THUNDER BAY, ONT	
28.244	WA6APQ	C	LONG BEACH, CA	30W, VERT
28.245	A92C		BAHRAIN	NW/SE DIPOLE
28.2455	ZS1CTB	C	CAPETOWN, RSA	20W, 1/4 VERT
28.246	N8KHE	C	MACKINAW, MI	0.05W, VERT
28.247	EA3JA		BARCELONA, SPAIN	
28.2475	EA2HB	I	SPAIN	6W, GP
28.248	K1BZ	C	BELAST, MAINE	5W, VERT DIPOLE
28.250	WA4SLT	I	HASTINGS, FL	20W, VERT
28.250	W3SV	C	ELVERSON, PA	10W, VERT
28.250	WJ9Z		WI, USA	
28.250	K0HTF	C	DES MOINES, IA	2W, GP
28.250	Z21ANB	C	BULAWAYO, ZIMBABWE	15W, GP
28.2505	4N3ZHK	C	MT. KUM, YUGOSLAVIA	1W, VERT
28.252	WJ7X	C	SEATTLE, WA	5W, RINGO
28.252	WB4JHS	I	FLORISSANT, MO.	7W, VERT
28.2525	OH2TEN		FINLAND	
28.253	VK3SIX		Wannon, W. Vic	25W
28.255	LU1UG		GRAL PICO, ARGENTINA	5W, GP
28.256	KD4BFF		NC, USA	
28.2575	DK0TEN	C	ARBEITSGEN, W. GERMANY	40W, GP
28.258	WB4JHS	I	KISSIMMEE, FL	5W, VERT
28.259	WB9FVR	C	PEMBROKE PINES, FLA.	1W, DIPOLE
28.260	VK5WI	C	ADELAIDE, SA, AUSTRALIA	10W, GP
28.262	VK2RSY	C	SYDNEY, NSW, AUSTRALIA	25W, GP

28.263	N6PEQ	C ?	TUSTIN, CA	2W, HORZ DIPOLE
28.264	LU1FHH	C	ARGENTINA	5W, VERT
28.264	VK6RWA	C	PERTH, WA, AUSTRALIA	20W
28.265	VK4RIK		CAIRNS, AUSTRALIA	
28.266	VK6RTW	C	ALBANY, WA, AUSTRALIA	4W
28.266	KB4UPI	C	BIRMINGTON, ALA	20W, 1/4 VERT
28.268	VK8VF		DARWIN, AUSTRALIA	40W
28.2685	W9KFO	I	EATON, ILL	750MW, VERT
28.270	ZS6PW	C	PRETORIA, RSA	10W, 3 EL YAGI
28.270	VK4RTL	C	TOWNSVILLE, QLD, AUSTRALIA	
28.270	KF4MF		KY, USA	
28.2705	KF4MS	C	ST PETERSBURG, FL	5W
28.2725	9L1FTN	I	FREETOWN, SIERRA LEONE	10W, VERT DIPOLE
*28.2745	ZS1LA		STILLBAY, RSA	20W, 3 EL YAGI NW
28.275	AL7GQ	C	DENVER, CO	1W, LOOP
28.2755	N6RDX	I	STOCKTON, CA	20W, 3 EL YAGI
28.2775	DF0AAB	C	KIEL, W. GERMANY	10W, GP
28.280	LU8EB		ARGENTINA	5W
28.282	VE1MUF	C	FREDRICKTON, NB, CANADA	500MW, DIPOLE
28.282	VE2HOT	C	BEACONSFIELD, QUE	5W, VERT DIPOLE
28.2825	OK0EG	C	HRADEC KRALOVE	10W, DIPOLE
28.2835	K8LKC		MI, USA	1 WATT
28.284	VP8ADE	C	ADELAIDE IS, NR ANTARCTICA	8W, V BEAM TO UK
28.284	KE0UL		GREELY, CO	5W OMNI VERT
28.285	N2JNT	C	TROY, NY	1W, GP
*28.286	KE2DI		NR ROCHESTER, NY	2W, VERT DIPOLE
28.286	KK4M	C	LAS VEGAS, NEV.	5W, VERT
28.2865	N5AQM	C	ARIZONA	2W, VERT
28.287	W8OMV		NR ASHVILLE, NC.	5W, GP
28.287	H44SI	C	SOLOMON IS.	15W
28.288	W2NZH	I	MOORESTOWN, NJ	3W, GP
28.290	SK5TEN		SWEDEN	
28.290	VS6TEN	C	HONG KONG	10W, VERT
28.290	KE4YVL		NC, USA	
*28.2905	NU9G/B	C	IN, USA	OLD CALL WAS KB9NV/B
28.292	ZD8HF		ASCENSION ISLAND	
28.2925	LU2FFV		SAN JORGE, ARGENTINA	5W, GP
28.293?	K7SK		WA	
28.295	WC8E	I	CINCINNATI, OHIO	10W, RINGO
28.296	W3VD	C	LAUREL, MARYLAND	1.5W, VERT DIPOLE
28.297	WA4DJS	I	FT. LAUDERDALE, FLA	30W, GP
28.301	KF4MS	C	ST. PETERSBURG, FLA	5W
28.3025	PT7AAC		FORTALEZA, BRAZIL	5W, GP
28.306	PT8AA		RIO BRANCO, BRAZIL	5W, GP
28.315	ZS6DN	C	IRENE, RSA	100W, VERT.
28.888	W6IRT		HOLLYWOOD, CA	5W, GP CODE PRACTICE
28.992	DF0ANN		MOTITZBERG, W. GERMANY	20MW, 1 EL DELTA LOOP

THIS LIST IS BY NO MEANS COMPLETE. BUT WITH YOUR HELP IT WILL
BE UPDATED AND CORRECTED AS ADDITIONS, DELETIONS, AND CORRECTIONS
ARE CONFIRMED. IF YOU HAVE MORE INFO ON A BEACON THAT IS LISTED,
PLEASE SEND IT TO:

INTERNET... n5ejs@linknet.net OR
PACKET..... N5EJS@WG5W.#CENLA.LA.USA.NA,

SNAIL MAIL TO:

RUSS GAUTHIER N5EJS
1033 PARADISE RD
PINEVILLE, LA. 71360

OR

RUSS GAUTHIER N5EJS
8816 HWY 165
POLLOCK, LA. 71467

EITHER ADDRESS WILL WORK. 73 AND GOOD HUNTING.

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Jerry <jfelts@rapidcity.com>
Subject: [7409] 40-9ER SMOKE
Message-ID: <199604191933.NAA01732@host1.rapidcity.com>

Am I the first to smoke a 40-9er? Thought I'd hook up the 12v gel cell to
see the differance in output, so I did. Was about 500mw, with 9v batt I get
about 235mw or so. So in the process of messing around the key leads moved
over a touched the final. SMOKE and a delightful smell!! Oh well I'll never
learn, got to get to work so I'll find out later what fried. Just a warning
be careful where leads are when playing with equip not finished on the bench.

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Grover Cleveland <wylde@nccn.net>
Subject: [7430] 49er and Airport Security
Message-ID: <317851F1.1DF6@nccn.net>

I'm about to take a business trip and I thought about taking along the 49er to let it see the world. Has anyone encountered difficulties with airport security when carrying homebuilt radios and accessories?

Grover
WT6P

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [7366] 49er Info and Mods
Message-ID: <31772B23.124E@telis.org>

Guys, I now have 20 pages of mods for the next issue of QRPp. Keep them coming as they are great. I need good quality pictures of your rigs, closeups please, so that we can see your handie-work. Also, I would like you to send me some details and adventures of building and operating the 49er. You will need to get the pictures to me by May 1 to be included in the issue. Send the articles as email, and please send them as ordinary email, not encoded messages. 72, Doug

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Wayne Barnhart <wayneb@on-ramp.ior.com>
Subject: [7360] A 49-er query
Message-ID: <Pine.LNX.3.91.960418193909.25004B-100000@on-ramp.ior.com>

Looking at the circuit I am not entirely clear about one of the design features - this is a learning tool, right?

Ok. The JFET. Why was it configured like this?

As a grounded gate I normally see it with a low Z input. The 10M resistor is what is confusing me. Is it acting as a high Z input or a self bias resistor? If it is self bias and in this configuration does not present a high Z to the 602 then I think I understand, but...

Considering the FET is followed by a bandpass filter why wouldn't you configure it as a grounded source with a high Z input and a bit of amplification to pump into the filter?

Also, when keyed down the signal fed back to the rcvr is grounded just

before the 602. But the FET gate also becomes grounded and I guess
provides the mute? If your shunting off the RF at the 602 why do it again
at the FET?

I put it to the net ... and thanks

Wayne WB7WHI
Spokane, Wa.

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: rxd7@po.cwru.edu (Richard A. Dell)
Subject: [7411] A and B 49er boards
Message-ID: <v01530500ad9dbd55665e@[129.22.123.96]>

A few days ago one member of the qrp-l group requested information as to
what the difference was between the A and B 49er pc boards was. I wated to
see if anyone on the list answered the question, however, I must have
missed the answer or the information was sent to him directly.

I myself was interested in the difference between boards, however i have
deleted the address of the member who asked the question.

I wonder if some would be kind enough to tell me the difference.?

72, Dick wd8isb

Richard A. Dell
Manager of Chemical Safety
Case Western Reserve University

AMATEUR STATION
QRP-L 310
PHOTOGRAPHIC SOC. AMER.
NRA
ARRL-VE

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7419] Advertising
Message-ID: <199604191922.TAA12006@chuck.dallas.sgi.com>

Since they are so impressed I'm going to send them
all 40MB of the postings. :-)

dit dit
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: CamQRP@aol.com
Subject: [7378] ARCI Contest Rules
Message-ID: <960419090835_473468482@emout09.mail.aol.com>

Gang -

Thanks to Steve, N2MNN, and his eagle eyes for uncovering the following glitches in contest rules:

Spring QSO Party -- The rules as published in the QST Contest Corral make reference to a Battery/Solar multiplier, which we dropped a couple years ago. When there is a conflict between the rules which show up in different publications, the ones in the QRP Quarterly take precedence.

Hootowl -- In the rules for this contest published in the April '96 QQ, the scoring section includes the phrase "plus bonus points." This is confusing because there are no bonus points in this contest. This is a reference which lurks in my word processor and jumps out at unwanted times. I've deleted it, hopefully for good.

Thanks again to Steve.

72/73,

Cam N6GA

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7373] Beacons
Message-ID: <199604191215.MAA11256@chuck.dallas.sgi.com>

Gang,

Just got this off the tenten reflector:

de KC5CP

For those of you that are interested or better yet have propagation on ten to copy it, here is the latest beacon info attached.

73 Mike Davidson KC5CP 24949
TenX DX Editor

Forwarded message:
From: poa01@cc.keele.ac.uk (M. Harrison)
Sender: owner-dx@ve7tcp.ampr.org
Reply-to: poa01@cc.keele.ac.uk (M. Harrison)
From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [7364] Boxes
Message-ID: <31772983.56AD@telis.org>

Jim, the NorCal 40 Cases, the Sierra/Cascade cases, and the St. Louis Tuner cases are all made by sheet metal shops in the bay area. The problem is that you must order a minimum of 200 cases to get them to even quote you a decent price. We are talking $14 - 15 hundred dollars minimum here. Plus you have to buy the latches, screws, etc. Yes the cases are nice, but the only time that we have extras are when we do a run of projects and buy extras, usually 25 or so. We don't have the money to invest in the inventory that we would have if we kept them in stock. May be an opportunity for some enterprising soul. Forget getting small runs made. They won't even talk to you and I don't blame them.

Hope this answers the question.
72, Doug

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: bfollett@ditell.com
Subject: [7425] Boxes -- A Possible Solution
Message-ID: <199604192324.RAA04093@orion.ditell.com>

Gang:

Dave Axe wrote:

<<Other 40A owners would have different ideas of what to stuff in there, I'm sure. Also, judging by the e-mail on QRP-L, some folks would just love to get ahold of the cases for all kinds of projects. And, the more cases initially ordered, the lower the price per case. >>

Based upon Doug Hendrick's cost statements, what we need is a Banker, and a Distributor. To stock an initial inventory of both cases, it sounds like we/someone would need to bankroll about $4,000 for a production run of 200 each.

Perhaps Bob Dyer, or someone else could act as warehouse, order taker, shipper, etc. for a proper profit per box. I suspect there are several among us that would do that job if there were no upfront capital investment.

The hard part is banker. We could:

1. Do a fund raiser, until enough money is raised
2. Look for a few benevolent donors
3. Use your imagination....?

I doubt, however, that money could be raised with the intent of either making a profit on each donator's investment, or even breaking even. The bookkeeping is a BIG job, and if investments were returned, there would not be a "perpetual" supply of cases available.

I doubt that anyone wants to turn this Listserv into a commercial operation, even forgetting legality. So, at least in my mind, one of the clubs would have to take on the banker role, and funds would have to be raised in the normal manner.

Which is exactly what NorCal does to fund a project. The difference is, we need to maintain a pool of money for something like this...Clearly a charity style of operation.

BTW, this concept is NOT limited to boxes. The same applies to setting up a Danny's Small Parts II. Is there enough interest, and financial backing to build a continous supply of hard-to-find parts that we, collectively, gripe about?

Thoughts? 73, Bob

Bob Follett WA7FCU, QRP-L # 129, NorCal, ARCI, 10-10
2861 Estates Dr. VOICE: 801.649.6457
Park City, UT 84060 Home Office E-mail: bfollett.ditell.com

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: stelpony@ix.netcom.com (Steel Pony)
Subject: [7361] Boxes and the art of electronic parts shopping....
Message-ID: <199604190331.UAA25137@dfw-ix3.ix.netcom.com>

Hi Gang:

I was afraid of this. I'll probably get hate mail on this.

The art of finding the elusive Box has always been tiresome until I began to mentally transform another object into something I could use.

A/B boxes(the ones used to change the rs-232 lines on printers) are plentiful. They die on a regular basis. Only one hole in the front and a piece of plastic, pc board, or aluminum to cover the holes in back.

Where? Your local thrift store, Salvation Army, Goodwill, surplus store, Computer shop, yard sale, etc.

Another great buy is 300 bd. modems. Remove the board and treat the box as above. (A very nice surprise one day.... This was a local RF modem- 455kHz narrow filters, balanced mixers, dual-gate mosfets, etc)

One day I was selling at on of the ham swapmeets I attend and a fella I know wanted to know if I had a varicapacitor and vernier. I said i did'nt and he walked on. The guy next to me had a Heathkit Q-multiplier. It was *rough*, but netted me 1. The varicap 2. Vernier 3. The box - It now listens to 40m. CW. as a receiver. Bought the Heath for a buck.

Heath, Eico, even Radio Shack test gear shows up in the srangest places. A few have come into my hands from the Disabled Vets. Thrift store. One cheapie signal generator is now a tabletop GDO from an article in QST(Something like" A experimental GDO") by one of the regular ARRL staff writers.

Another is doing time as a CW transciever. (Remember- The vernier, varicap, knobs, switches, coils, variable pots?)

Seek and ye shall find.

72- N5INZ

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Jerry Parker <jparker@fix.net>
Subject: [7413] Cabinets
Message-ID: <199604192056.NAA01890@fletch.fix.net>

I have found a printer switch case which is available commercially for $4.95

to be an excellent

source of cases for my QRP etc projects.

This is available from Cyberguys, 800-892-1010, stock number 105-0100.

Just remove the switch and plugs and bingo you are in buisiness, nice looking case.

No, I do not have any financial interest in this company or the cases.

73'es,,,Jerry...WA6OWR...K

p.s. I just called them and talked with Steve. If you want a case and email him at

steve@cyberguys.com and mention you spoke to me he will give you another 5 per cent off.

Hope this has been helpful. If not can the message and enjoy...K

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Jeff Gold <JMG@tntech.edu>
Subject: [7402] Cascade help, Please!!!
Message-ID: <01I3Q7EDN26QQUKLWD@tntech.edu>

I saw this posted and didn't see an answer.. surely someone must know the answer.. help, please

==========
s there a mistake in the PC board layout in the base circuit of the final transistor???? looks like it to me

Clark Fishman WA2UNN   cfishman@pica.army.mil

==========

thanks

72
Jeff, AC4HF

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: David Adams <dave@flowserver.stem.com>
Subject: [7394] Did I sell YOU my HW-9?
Message-ID: <9604191729.AA26174@flowserver.stem.com>

Sorry to waste the width, but....

Prior to going to France, I agreed to sell my HW-9 which my
wife packaged up and sent out after the funds arrived and whilst I
was in France. I just need to know if you received the manual copy
as well. Unfortunately, Laurie tossed the address info after
mailing so I don't know how to reach you direct. Lemme know...

dave

=-=
David J Adams   N9UXU QRP-L #83
dave@flowserver.stem.com   NorCal QRP #1442
(415) 813-5028   Flow Cytometry Specialist

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Bill Acito 19-Apr-1996 1551 <acito@asdg.ENET.dec.com>
Subject: [7412] Follow-up: Line Noise
Message-ID: <9604191955.AA29544@us1rmc.bb.dec.com>

Good news for a change.

Mass Electric performed the maintenance they had planned, and I
have had no noise issues for the past few days (granted,
propagation has been in the dumper the past few days, but it
wouldn't effect this kind of noise).

I called the substation manager and thanked him personally.

Moral of the story: do everything you can to diagnose the problem
on your end. When you eliminate yourself as the source, work
with the utility. In most cases, they are willing and interested
in fixing the problem.

Just in time for 'To the Field'... :-)

b

. . . . . - I own my own words - . . . . . .
Bill Acito
acito@asdg.enet.dec.com
|d|i|g|i|t|a|l| Digital Equipment Corporation Hudson, MA

KC1GS .:. qrp-ne .:. qrp-l .:. qrp-arci .:. norcal .:. arrl life .:.

Listen for me on all weekend and weekday lunchtime
(1530 - 1630Z) passes of AMRAD-OSCAR 27, portable FN42

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Brad Mugleston <bmug@gwl.com>
Subject: [7389] G5RV Help
Message-ID: <199604191419.AA05556@gp-ipc54.gwl.com>

Gang,

I've got a new G5RV antenna that as soon as the March winds die (ya I now its April but this is Colorado and were about a month behind) Im going to put up.

It has a 102' top with a 32' stub (Antennas West Design). My question is - The apex of my house runs north and south - I have space to put it up as an inverted V on the south end of the house with the legs running east and west. The leg to the west will need to dog leg to the north or attach somewhere in the middle of the street.

My other option is to run one leg (about 10 feet above the roof) to the north. I believe it can run its total 51' length straight. The other leg (Inverted L) will have to dog leg to the east or end up in the other street (I live on a corner).

What is my best option? Is there a preferance as to the position of the ground leg (i.e. the one with the dog leg (either option) or the straight run)?

At 10' above the roof it will be about 40' above the ground.

I just thought of another option. One leg going north and south the other leg on the same horizontal plane going west with a dog leg to the north (Tree to Tree).

Thanks for all the help

de KB0ROL, Brad

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: dgf@netcom.com (David Feldman)
Subject: [7403] NORCAL 49-er kit shipdate?
Message-ID: <199604191846.LAA19800@netcom3.netcom.com>

I sent off for the Norcal 49-er kit but didn't figure out when those where due to ship from Jim Cates. Any word from the source on the expected shipdate? I'm still munching on Altoids so I have a while to go before my box will be ready ;-)

73 Dave WB0GAZ dgf@netcom.com

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
Subject: [7418] OHR 4 bander for sale
Message-ID: <12924.829950449@safety.ics.uci.edu>

For sale by my friend Carmine AB6KE (not at this email address)

Oak Hills Research 4 band (80, 40, 30 and 20) CW xcvr
puts out 3-5 watts, built in keyer (curtis), in very
good condition (little use).

$200

Call Carmine at (714) 493 4916.

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: WJ4PRandy@aol.com
Subject: [7359] ohr400 FP Pwr out control
Message-ID: <960418231238_194002760@emout17.mail.aol.com>

Gang,

I forgot to mention on my post about the front
panel mounted pwr out control that an audio
taper pot had the smoothest control if it was
hooked up "backwards". That is, max power

is found at most counter-clockwise position.

If you use a linear taper or hook up the audio
taper the "other" way the power control is very
"touchy", that is to say it has a very definite
"knee".

Hope this helps, sorry to have left off that crucial
piece of info.

73, Randy WJ4P

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Larry East <LVE1@inel.gov>
Subject: [7386] Panel lettering, etc.
Message-ID: <2.2.16.19960419145800.3cdfaf50@134.20.32.17>

>From a recent posting:

>Those of us that homebrew usually aren't able to get a really professional
>looking front panel appearance. On your next project, try the following:
>
>Use the overhead transparency material in your laser printer or copier to
>make a full-sized panel overlay with all the lettering properly placed.
>Cutout holes and trim appropriately.
>
>Place the above transparency over your (light-color painted) front equipment
>panel.
>
>Place a pre-cut pre-drilled one-sixteenth flat acrylic cover over the
>transparency and fasten all together with decorative-head screws.
>

Since the membership of this list changes quite frequently, the "cutural
memory" seems to be on the order of 3 - 4 months. Some time ago (more than a
year?) there was a thred on this subject and someone (or several, I believe)
suggested using "Repro" self-adhesive film for this purpose -- it can be run
thru laser printers and copiers like the overhead tranparency film. The
stuff is available from Rayven, Inc. and is rather expensive if bought by
the box (about $40, as I recall) but some "quickey" print shops sell it by
the sheet. I used it on my NorCal 40A, among other things, and it works
quite well. Put a coat of clear finish over it and you can hardly tell that
the lettering is not painted on the panel.

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Roger.Pease@eng.sun.com (Roger Pease)
Subject: [7395] Postal service discussion
Message-ID: <9604191737.AA27812@immigrant.eng.sun.com>

I saw the discussion on the slow shipments
of St. Louis tuners lately. Then I heard
something on NPR on the car radio on the way
to work today.

The USPS has in this unibomber era criteria
on, I think they called it "danger mail" or
some such. They won't reveal the exact
criteria for obvious reasons but they mention
a couple; use of postage stamps instead of
meter strips and above some undisclosed weight.

If a piece is suspect it gets different (read
SLOWER) handling and it doesn't fly on
commercial air filghts.

Could something like this be going on with
the St Louis Tuners? Could be all the package
handlers do something similar...

ObQRP: Trying to get the battery in to the
Altoids box with 40-9er. Looks like it can
be done with some reshaping of the board at
one end and relocating one leg of C20. I'd
like to get a key in the box, too.

I haven't noticed any discussion of the Dayton
regen receiver. Anyone build those?

CU,

     _Roger KE6PPI

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7421] PostScript Forms

Message-ID: <199604191811.SAA11848@chuck.dallas.sgi.com>

On any form that is on ftp.lehigh.edu in PostScript
format, if you can't print it, just send me email
with your mailing address, and I'll be happy to
drop one into the mail for you. No charge.

On the USPS special handling of "hazardous materials".
I thought my profile was the only thing causing me
problems: single, ex-college tenured faculty, knowledge
of Mathematics and Physics and Chemistry, lived in the
country on acreage, uses computers and on the internet....
uses strange and outdated communication mode.....
:-) Also did other "stuff" in past life......

:-)

Back to your Altoids discussion. Found one of the
office persons uses them and has promised me free tins.
I'll bring them to Dayton.

dit dit

"I'm sorry sir you'll have to check that at baggage."
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: af852@rgfn.epcc.edu (William R Colbert)
Subject: [7426] Q Signals
Message-ID: <9604192347.AA11200@rgfn.epcc.Edu>

QSV normally stands for "send V's", excellent for tuning and setting
filters on a very busy frequency.
QTG - sent two dashes (10 seconds each) followed by callsign (useful
 in setting filters to better receive on busy freq. (Originally used
  by aircraft/ships for DF bearings.

A useful one these days of mobile operation is: QTJ ? (imi) What is
your speed? Follow by QTL ? What is your heading?OC   QTN ? Where did
you depart from? QTR ? What is your correct time?
And on and on ad infinitim. Complete conversations using Q signals

by different language speaking peoples are mostly a thing of the past.
With a complete set of (or nearly so) Q-Signals a full conversation
is possible.
72/73 Ray

--
Ray Colbert, W5XE/V31XE, El Paso, Tx

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: af852@rgfn.epcc.edu (William R Colbert)
Subject: [7417] Q-Sigs
Message-ID: <9604192150.AA14939@rgfn.epcc.Edu>

Scott, LB and others, the older callbooks used to have an extensive
Q-signal and Z-signal list. I have a copy of ACP-131 and I am sure
it has been somewhat updated but contains most of the Q & Z signals.
QME (used to be used by some countries as a ref to Barometric pressure,)
altho not in the ACP-131. No listing at all for the QLZ. Most of
the QL. listings are blank and available for individual country/agency
usage. When I was a point-point CW op for a government agency, we
had our own modified Q-signals, some from the ACP, others made up.
I tried at one time to get an updated ACP-131 from Supt. of Docs and
it was apparantly out of print as I got no response. There is also
an ACP-132, and one other(title I don't remember) dealing exclusively
with RTTY that have Q & Z signals, some not in the ACP-131. Good
Luck in finding a complete list. 72/73 Ray

--
Ray Colbert, W5XE/V31XE, El Paso, Tx

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [7392] QN signals
Message-ID: <960419163351_75230.1405_HHB2-1@CompuServe.COM>

Hi, Gang--

The comments on the ARRL's QN signals left out (at least so far as I saw)
an interesting point-- according to the Handbook, these are the ARRL's signals
and can only be used in nets. Not should, can. It seems like it wants to
carry more force than the proscription of Q signals on phone, but I wish them
luck. How about ONLY QRP-L members are allowed to say 72? [g]

73/72
Marshall
AA0XI/VK5FN
QNX

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Marshall Emm <75230.1405@CompuServe.COM>
Subject: [7397] QN signals
Message-ID: <960419173759_75230.1405_HHB70-1@CompuServe.COM>

Hi, Gang--

The comments on the ARRL's QN signals left out (at least so far as I saw)
an interesting point-- according to the Handbook, the QN codes belong to
the ARRL and must only be used in nets. Not should, must.

It seems like they hope this will carry more force than the proscription of Q
signals on phone, but I wish them luck.

How about ONLY QRP-L members are allowed to say 72? [g]

73/72
Marshall
AA0XI/VK5FN
QNX

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Marshall Emm <75230.1405@compuserve.com>
Subject: [7407] QN Signals
Message-ID: <960419190424_75230.1405_HHB32-1@CompuServe.COM>

Hi, Gang--

The comments on the ARRL's QN signals left out (at least so far as I saw)
an interesting point-- according to the Handbook, the QN codes belong to
the ARRL and must only be used in nets. Not should, must.

It seems like they hope this will carry more force than the proscription of Q
signals on phone, but I wish them luck.

How about ONLY QRP-L members are allowed to say 72? [g]

73/72
Marshall
AA0XI/VK5FN
...QNX

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: thom.lacosta@fido261.qis.net (Thom LaCosta)
Subject: [7368] QRP FD and N5INZ's BBQ Onions.... -Reply
Message-ID: <bb7_9604190322@fido261.qis.net>

Lynn Geitgey wrote in a message to All:

 LG> Sir, would you like red or white wine with that?

Of course, in an imperfectly filtered world, you could have asked-
Would you care for Red or White whine?

Thom LaCosta
Our Business is Business
--
|Internet: thom.lacosta@fido261.qis.net
|Standard disclaimer: Insure that call valves are open or closed.

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "John F. Jarvis" <jfj@pacer1.usca.sc.edu>
Subject: [7380] qsl managers
Message-ID: <199604191334.JAA09563@pacer1.usca.sc.edu>

No help (so far) on my route request for TR8BAR but several have
requested info on qsl-info@ ... so here it is:

Do "mail qsl-info@aug3.augsburg.edu",
 nothing in the subject line,
 then one call per line for stations whose QSL information you need.
 Replies comes in minutes, if not seconds.
              72/73 John KE2WB

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Alan Kaul <kaul@netcom.com>
Subject: [7424] quick 40-9er mods for QRP-to-the-field
Message-ID: <Pine.3.89.9604191512.A10120-0100000@netcom4>

Anyone planning on QRP-to-the-field of Norcal might want to make some simple mods tonight -- so you can take the rig to the big upcoming event...

I have done a number of mods, but the three listed below seem to have a significant impact on power output. I can't explain WHY these changes work, BUT PERHAPS WE CAN CONVINCE ORI, LARRY AND/OR CHUCK,(AND OTHERS) WHO DO UNDERSTAND THE THEORY BETTER THAN I, TO POST THE EXPLANATIONS.

In work in the lab yesterday, using a spectrum analyzer/power meter, etc., I discovered that my ''modified'' 40-9er, OUTPERFORMED my ''stock'' 40-9er. In tests using 9 volts DC of power, the measured power output actually increased from 0.42 Watts (for the stock version) to 0.60 Watts (for the modified version) <about 42% higher output>. In tests using 12 volts of DC power, the measured power output went from 0.67 Watts to 0.95 Watts <also about 42% higher>. What caused it? Did the rig start drawing more current from the power supply? Does it shorten battery life in the 9V mode? I don't know the answer, but Ori -- AC6CN, theorizes that what happens is the mods increase the efficiency of the final. In his e-mail to me, the battery still consumes as much power, NOW MORE OF IT IS TRANSFERRED TO THE ANTENNA AND LESS IS LOST IN HEAT, ETC.

Let's hope someone explains it to us --- all I know is the mods seem to help. Perhaps someone can put the mods to a test, and measure output power as a function of current. It would be great if two people could--one measuring with the mods and one without!

Anyway, here are the mods:

1) As suggested by Wayne, N6KR, change the output transistor choke from a 15uH Mouser item, to a torroid (he suggested an FT-37-43 with at least 10 turns (around 40---I used 11T #24 and the math suggests I'm getting about 50 uH (Turns = 1000*SQR(L[mH]/AL)) where <AL=420>.

2) As suggested by Larry, W1HUE, Wayne, N6KR, Ori, AC6CN, and others, change the input parallel circuit to one which is resonant at the crystal frequency, OR add a series resistor to the inductance to change the Q of the circuit. (In my case, I changed the input coil to a torroid and returned resonance lower (from approx 7400 kHz to approx 7040).

3) As originally suggested by Chuck, K5FO, to balance the pi output filter from 270pf-2.2uH-470pf to 470-2.2.470, and later modified by Ori, AC6CN, to not only make the caps balanced at 470pf each, but also to reduce the inductance from 2.2uH to 1.5uH. I wound another torroid (19 turns #24 on a T-44-6) AND changed the 270pf to 470pf.

I don't know if the increase in output power is because of any or some or all of the three mods. BUT SOMETHING I CHANGED IN THE RF CHAIN MAKES THE INCREASE IN POWER OUTPUT POSSIBLE! And when you're dealing with QRP levels, make every silly milliwatt count!

Thank you all for your help -- now how about some explanations?

73/72 and GL during QRP-to-the-field!

[<Alan Kaul, W6RCL>] kaul@netcom.com

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Arnie Adelman <arnie@gradient.com>
Subject: [7384] Request for Schematic for TenTec PM1
Message-ID: <199604191433.KAA12132@indy.gradient.com>

On the advice of Bill, KC1GS, I'm posting a request for anyone who would be kind enough to provide me access to a circuit schematic for a TenTec PM-1 QRP rig which I just purchased.

Although I've made it functional through dumb luck and a lot of guess work, the diagram would be most helpful in restoring it.

I am not registered with qrp-l, so if you would please respond directly, I'd greatly appreciate any help you can provide.

TNX

Arnie, W1GCI

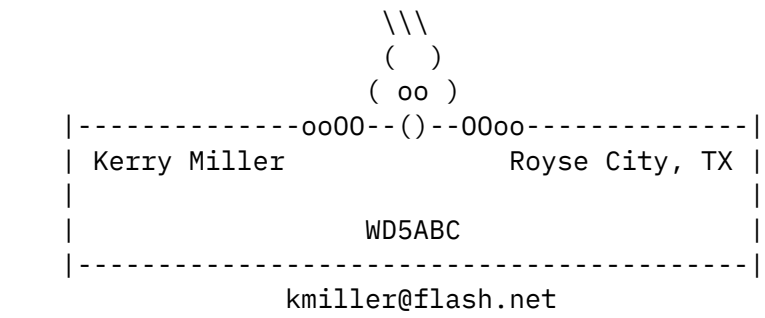
Arnie Adelman
V.P. Operations
TEL: (508) 624-9600

Gradient Technologies, Inc.
2 Mt. Royal Avenue
Marlboro, MA 01752

FAX: (508) 229-0338 Email - arnie@gradient.com

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "Kerry W. Miller" <kmiller@flash.net>
Subject: [7423] Shipping on 40-9er
Message-ID: <1.5.4.32.19960419222900.0067dc00@mail.flash.net>

We had a club meeting last nite and 3 of us want to order 40-9er kits. If I order them together do I need to send $5.00 shipping each or will one shipping charge cover all 3? They can't take up that much space or weigh very much! We may also be working a couple of hrs of QRP to the Field, look for N5BTH from beautiful Cumby, Texas! We just need a FD fix, once a year isn't enuf!
73,
Kerry "CW Forever" Miller



From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: jim_kc1fb@usa.pipeline.com (Jim Francoeur KC1FB)
Subject: [7377] Sorry!
Message-ID: <199604191257.MAA20070@pipe6.t2.usa.pipeline.com>

Sorry for my last posting....should have gone only to Dan.
My new service seems to send to the reply to: address and
the List.....don't know why....don't see a way to fix it.

Just have to be careful.....not easy in the morning!

Jim
--

Jim Francoeur KC1FB, QRP-L #29

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: bachmann@ari.net
Subject: [7435] St Louis Tuner
Message-ID: <199604200255.WAA13905@mtolympus.ari.net>

St Louis tuner (# 114) came today (as did a new Autek RF-1). It was
postmarked 4/17, arrived 4/19. California to Baltimore.
73
Rich Bachmann
N3SLR

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Bob Hightower <ki7mn@dancris.com>
Subject: [7385] St Louis Tuner error?
Message-ID: <199604191455.HAA09785@user.dancris.com>

I think I goofed in my earlier post about the orientation of parts...should have
said that the instructions say to install D1 and D2 with banded end toward R1-4,
while the layout and drawings show just the opposite. Which is correct?

Other than that and the lack of threads in one of the tuning caps, it is going
well up to the point of installing the 60 turn toroid. That one is going to take
some care. By the time I find my long lost 6-32 tap, most others will have done
that part, and I'll be able to reap the benefits of their labor :).
73,
Bob KI7MN NorCal 1221   ARCI 8918   Qrp-l 271

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "Ted Kell" <tkell@130.253.192.68>
Subject: [7382] St Louis Tuner L1/S2
Message-ID: <9604191355.AA13894@nyx.net>

Not having a 100% record of getting things to work, I have been reading the SLT
construction manual carefully _before_ trying to build it, and have a few
questions.

1) for L1, wound with taps at 3, 6, 10, 15, 20, 25, 30, 37, 44, 52, and the end

at 60 turns, which way is down in the schematic on page 10? The end with a tap at 3 turns, or the end with a tap at 8 turns (60-52=8)?

2) On page 7 it says, "Solder the wires in to the lugs abd then solder a #18 tinned bus wire 4" long to the first lug (the one that has the1 turn tap on it)." What 1 turn tap?

tnk for the help

Ted

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Doug Hendricks <ki6ds@telis.org>
Subject: [7365] St. Louis Tuner Progress
Message-ID: <31772A0E.31BE@telis.org>

I have shipped all kits up through #130, so am half way there to the finish line. I will be attending the International DX Convention in Visalia this weekend, so no more will ship until Monday. Have a good weekend. 72, Doug

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: vhatley@usa.pipeline.com (Vernon A. Hatley)
Subject: [7396] Still doesn't work...
Message-ID: <199604191736.RAA17609@pipe18.h1.usa.pipeline.com>

Guys,

This is what it looks like when I load it into a word processor. (This is only a partial listing; it goes on for 19 pages like this.)

My printer is a new HP 600 Deskjet. I looked in the manual for Post Script info; nada.

I tried to send it direct to the printer; (in DOS); COPY file.ps LPT1; the printer spat out page after page of blank paper. Invisible ink maybe? I don't think so.

--- cut ---

```
%!PS-Adobe-1.0
%%Creator: chuck:adams (chuck adams,,,,,,,)
%%Title: stdin (ditroff)
%%CreationDate: Wed Mar  8 11:27:32 1995
%%EndComments
% Start of psdit.pro -- prolog for ditroff translator
% Copyright (c) 1985,1987 Adobe Systems Incorporated. All Rights Reserved.
% GOVERNMENT END USERS: See Notice file in TranScript library directory
% -- probably /usr/lib/ps/Notice
% RCS: $Header: /depot/impressario/ism/filters/psroff/lib/RCS/psdit.pro,v
1.1 1993/05/26
22:58:19 baron Exp $
/$DITroff 140 dict def $DITroff begin
/fontnum 1 def /fontsize 10 def /fontheight 10 def /fontslant 0 def
/xi {0 72 11 mul translate 72 resolution div dup neg scale 0 0 moveto
  /fontnum 1 def /fontsize 10 def /fontheight 10 def /fontslant 0 def F
  /pagesave save def}def
/PB{save /psv exch def currentpoint translate
  resolution 72 div dup neg scale 0 0 moveto}def
/PE{psv restore}def
/m1 matrix def /m2 matrix def /m3 matrix def /oldmat matrix def
/tan{dup sin exch cos div}bind def
/point{resolution 72 div mul}bind def
/dround  {transform round exch round exch itransform}bind def
/xT{/devname exch def}def
/xr{/mh exch def /my exch def /resolution exch def}def
/xp{}def
/xs{docsave restore end}def
/xt{}def
/xf{/fontname exch def /slotno exch def fontnames slotno get fontname eq
not
 {fonts slotno fontname findfont put fontnames slotno fontname put}if}def
/xH{/fontheight exch def F}bind def
/xS{/fontslant exch def F}bind def
/s{/fontsize exch def /fontheight fontsize def F}bind def
/f{/fontnum exch def F}bind def
/F{fontheight 0 le {/fontheight fontsize def}if
   fonts fontnum get fontsize point 0 0 fontheight point neg 0 0 m1 astore
   fontslant 0 ne{1 0 fontslant tan 1 0 0 m2 astore m3 concatmatrix}if
   makefont setfont .04 fontsize point mul 0 dround pop setlinewidth}bind
def
/X{exch currentpoint exch pop moveto show}bind def
/N{3 1 roll moveto show}bind def

--
KK5RO                            Butternut Vertical
Vernon A. Hatley              OHR Explorer II 40M
```

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "Taylor Greg" <GTAYLOR@ag-eco.tamu.edu>
Subject: [7379] Ten Tec SWR/Power Meter?
Message-ID: <20180A12240@ag-eco.tamu.edu>

This has my interest as it evidently also covers 2m for which I'm also presently in the need for a pwr/swr meter. Looking for opinions on assembly and functioning - HF and VHF.....how does it stack up with the OHR meter?

TNX, Greg, KD4HZ

****
Dr. Gregory S. Taylor !MAIL: 110 Dairy Science Building
Extension Program Leader for ! College Station, TX 77843-2124
Community Development !VOICE: 409-845-4445
Texas Agricultural Extension Service!FAX: 409-847-8744
Texas A&M University System !EMAIL: Reply or g-taylor4@tamu.edu
****

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: birgym@inet.uni-c.dk
Subject: [7371] Theorems and things... try this!
Message-ID: <9604191947.AA0020@lgb275.ppp.uni-c.dk>

If you would like to review some of your electronics theory... read on.

I have a good friend back home in Caliornia who has written a number of articles on electronics theory (for the novice) for Radio World and he has them on his home page.

http://slonet.org/~hhallika/theory.html

Currently there are two postings...(numbers 5 and 6) Thevenin's Theorm and An unbalanced
bridge (analyzed using Thevenin's theorm).

If there is enough interest he will post the first four. You can e-mail Harold at:

hhallika@slonet.org

and let him know that D.K. sent you!

72

D.K. Philbin
ar722@cleveland.freenet.edu
GQRP #9177

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: vhatley@usa.pipeline.com (Vernon A. Hatley)
Subject: [7383] Those &%$#@ PS files!!!
Message-ID: <9604191416.AA19212@pipe7>

OK group, my patience is almost at its end. I have tried now for 3 days to download a couple of forms from FTP.LEHIGH.EDU. I am getting the files okay, but they make no sense when I print them out. I have tried to get them without the .Z and with the .Z At the top of the forms it say "%%Creator: chuck:adams ...", the rest is meaningless. I think they are in post script format or something like that; how in the world do I print them off? And why in the world are they not in a simple .TXT format that an idiot like me can work with?
--
KK5RO
Vernon A. Hatley
QRP-L #325

Butternut Vertical
OHR Explorer II 40M
Ten-Tec Omni V

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Larry East <LVE1@inel.gov>
Subject: [7387] Transmit freq shift for 40-9er
Message-ID: <2.2.16.19960419145800.3cdf9622@134.20.32.17>

>From a recent posting:

>> Has anyone figured out a way to pull the transmit frequency 500-700kHz
>> lower?
>I tried something need more work.
>The simplest approach is to first relocate the capacitor as you suggested
>and then connect the following circuit:
> (1) 8pF (?) cap from the RFC6/C6 junction to a 1N914 or 1N4148 diode D3,
>   which is connected to the K line (similar to diodes D1 and D2)
> (2) 22K resistor from the D3/Cx junction to +12V. Hopefully there's enough
>   isolation but can replace the resistor with a 1mH+12K otherwise.
>I'd love to experiment with the component values of this circuit, maybe you
>have the time to start this work...

>

I tried this a while back (used a 100K resistor -- otherwise the same thing). It works, but the problem is that the amount of shift varies with the operating frequency. For example, with a 10pF cap in series with the diode the shift varied form about 200 Hz at the low end of the range (7.038) to about 1 kHz at the top end. There is somewhat less variation if the "shifting" cap is connected to the junction of the xtal and choke, rather than across the tuning cap.

72, Larry W1HUE/7

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: torell@sicom.com (Kent Torell)
Subject: [7406] web advertising offer
Message-ID: <v02130501ad9d8fc50824@[192.91.202.41]>

My...if they were so impressed, they didn't bother to figure out what it was.

>All of us at Interactive Imaginations Inc. are very impressed with your web
>site. We think your site is perfect for a new program we just launched
>called the Commonwealth Broadcasting Network.

Any web page 'owner' can do what he wants, but personally, I would want control over the advertising. Also, who owns the web page; the provider?

Well nils, I guess the capitalist hegemony is moving to control the anarchy on the web...

Kent Torell   torell@sicom.com   602-483-2867 x40
SICOM   7585 E. Redfield, #202   Scottsdale, AZ   85260

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: mizrahi@svlhp8.scs.philips.com
Subject: [7398] RE: 1000 miles/watt and 40-9er action
Message-ID: <9604191810.AA14164@svln20.scs.philips.com>

I thought of writing about this anyway but I guess it follows nicely the posting by Tony and the request from Doug Hendricks for experiences with the 40-9er. This one is hot off the press...

> Just had my longest distance QSO with my forty-9er last night - Rochester,
> MN to Pensacola, FL. Software says that's 982 miles on my 700 mW.

Tony, a great feeling for sure.
I used my 40-9er last night with the simple offset circuit, same relief as Alan Kaul described, worked them at a comfortable pitch - finally!
I just wanted to give it a try and the band didn't seem that great. Tried to call some QRO guys, I guess the extra watts do get to the eardrums and do some damage... no success.
Well, they say that if your tactics doesn't work you need to change it. Decided to call CQ and see what happens.
Reminded me of the mice vs. elephants playing footbal and way behind, the coach of the mice team says: "it doesn't work, guys, we have to play a little rough with these elephants".
No problem. K7FJ/QRP from WA, I'm in San Jose, CA - not bad for 600 mW. Solid all the way on both ends.
A little bit more listening, then I called again. WA5UNY/QRP from...
YES YES YES... Dallas, TX. Don't have the software to tell the distance but... guys, if you think QRP is fun, try them in the middle of the night, or better yet early in the morning... now what in the world those TX guys are doing at 1:30AM (his time, not mine!). Bless those QRP ops that wait in there and suffer quietly, all to get the 40-9er going... or so it seems... most stations in the 4 KHz bandwidth were QRP. They don't suffer from that weired eardrum plague, really!
Some say there's no future for ham radio and CW, tell that to Don, Alex, Steve and the other good guys working QRP in the wee night yesterday!!!
Band died after 20 minutes or so, but started with my 339 to his 559 (est.) for a 3W setup.
Ended the night with across town QSO and the worst signal report of the night. KO6NZ/QRP was just testing his Isotron antenna mounted way low. I guess he was happy that it goes out at all, I was happy to register another home run.
All QSOs QRP-QRP, 40-9er with the offset "fix" tacked on.
Well, I have to admit, one more detail... the receiver was also slightly modified, otherwise I doubt if I could have worked the tail end of the Dallas QSO. Too detailed to post here, I wish there was a way to EASILY post schematics for you guys to try. Not for the faint of heart, and maybe too drastic to be called a 40-9er mod. I basically stripped the audio section and replaced it with a 5532 dual-opamp in a high-gain bandpass configuration.
Very low noise, good selectivity and a decent audio level!
But this is a topic for another time.
Have fun guys and get those 40-9ers on the air. I'm still waiting for my first 40-9er to 40-9er tackle!

73 DE ORI AC6AN

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996

From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [7420] RE: 1000 miles/watt and 40-9er action
Message-ID: <199604191918.TAA11979@chuck.dallas.sgi.com>

Ori,

Darn it. I heard you on last night here in Dallas. Musta been
before you worked into here.

For anyone with postscript capability and a 40-9er and a spare
5532 dual-op amp. I may have a sidetone (pure sine wave by the
way) circuit but I have not tried it. If you wanna experiment,
I'll send you the schematic via postscript (no way in ASCII gang)
and let you try it.

We stay up late here in TX to catch the small critters on 40M
late at night... ZL ... EA ..... LU ...... LV .... KH6....

dit dit
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: GREGOIRE@endor.com (ERNEST GREGOIRE)
Subject: [7429] Re: Advertising
Message-ID: <199604200104.VAA19864@nss2.CC.Lehigh.EDU>

That's why they pay you the big bucks Chuck. I'm such a piker, I copied their
letter 5 times and replied it back to them. It's clear to me that you are
a big leaguer. :)

We are techno-guru nice guys, but he was pushing his luck.

Good goin Chuck

72,72

de AA1IK
Ernie

>
>
>Since they are so impressed I'm going to send them
>all 40MB of the postings. :-)
>

>dit dit
>--
>Chuck Adams (K5FO CP-60) adams@sgi.com
>Box 181150, Dallas, TX 75218-8150
>
>
>
de AA1IK   N.E.-QRP-C. # 202   (Lead by example, It is better to   )
                  QRP-L member #95.   (pull a string than it is to push it.)
Ernie Gregoire
RR 1 Box 221
Canaan, NH. 03741

New England QRP Club, information
available on request by sending me a
 S.A.S.E. or via E-mail.

e-mail : GREGOIRE@ENDOR.COM
packet : AA1IK@WA1WOK.FN43FE.NH.USA

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Bob Patten <n4bp@bcfreenet.seflin.lib.fl.us>
Subject: [7391] Re: ARCI Contest Rules
Message-ID: <Pine.3.89.9604191156.A11852-0100000@bcfreenet.seflin.lib.fl.us>

On Fri, 19 Apr 1996 CamQRP@aol.com wrote:

> Spring QSO Party -- The rules as published in the QST Contest Corral make
> reference to a Battery/Solar multiplier, which we dropped a couple years ago.
> When there is a conflict between the rules which show up in different
> publications, the ones in the QRP Quarterly take precedence.
>
Curious why it was dropped, seemed like an excellent way to test your
emergency capabilities while working the contest...

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: AC6LA@aol.com
Subject: [7370] Re: Autec SWR Analyzer
Message-ID: <960419052125_473393117@emout07.mail.aol.com>

First of all, let me second everything Joe said in a recent post about the RF-1. You can use it to measure SWR, impedance, inductance, and capacitance, all directly off the digital display.
I have one and I wouldn't part with it.

You can also use it to measure the components of impedance, namely R (resistance) and X (reactance). To do so, you use a take-off on the Three Meter Method, as expained in an article in the Antenna Compendium Vol 4. That article describes a method which uses a QRP xmtr as a signal source, a separate box containing a known R and known C along with five diode detector circuits, an outboard DVM, and an attenuator. You take some readings with the DVM and either use a piece of graph paper or plug the numbers into a BASIC program (bundled with the book) to determine R+jX of the unknown.

You can use the RF-1 to replace all the hardware mentioned above except the known R and C, which can be as simple as a resistor and capacitor connected in series with the center pin of an SO-239.

The details of all of this are a little too long to post here. Several months ago I wrote an article about my adventures in designing a vertical phased array antenna system, which included using the RF-1 to measure R+jX as well as some programs I wrote to help me deal with the transmission line equation and some of the other complex number math problems. (I submitted the article to my favorite QRP publication, but it does not appear that it will ever see the light of day. Oh well, I hear even Hemingway started out with a pile of rejection slips! <g>)

If you have the Ant Comp Vol 4 you can probably figure out for yourself how to use the RF-1 to measure R+jX. And if you twist my arm ever so slightly with a private e-mail, I'll send you just the portion of my article which deals with this. (Gee, isn't that called "vanity publishing"? <g>)

BTW, note that you can not use the MFJ to do this. You have to be able to measure true impedance (which the RF-1 does), not just "RF resistance at resonance" like the MFJ.

72, Dan, AC6LA@aol.com

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: jim_kc1fb@usa.pipeline.com (Jim Francoeur KC1FB)
Subject: [7375] Re: Autec SWR Analyzer
Message-ID: <199604191244.MAA19951@pipe6.t2.usa.pipeline.com>

Dan,

I just bought an Autek RF-1, and would love to have the
info on resolving the real and reactive components.

The RF-1 is really neat.

72,

Jim
On Apr 19, 1996 05:21:26, 'AC6LA@aol.com' wrote:

      Snipped

> And if you twist my arm ever so slightly with a
>private e-mail, I'll send you just the portion of my article which deals
with
>this. (Gee, isn't that called "vanity publishing"? <g>)

>72, Dan, AC6LA@aol.com
--

Jim Francoeur KC1FB, QRP-L #29

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: bachmann@ari.net
Subject: [7434] Re: Autec SWR Analyzer
Message-ID: <199604200250.WAA13791@mtolympus.ari.net>

Hi gang,

I just received an Autek RF Analyst (RF1) in the mail today. I already had
an MFJ 259. When I bought the MFJ, I didn't know about the Autek RF-1.
If I had, the initial decision would have been hard. Now I'm interested in
winding toroids and making baluns, the Autek appears indispensable.

The MFJ 259 and the Autek RF-1 are both handy for HF antenna tuning. The
Autek goes up to 35 Mhz, but he MFJ 259 goes up through 170 Mhz.
The Autek is suprisingly small, the MFJ is several times the size. The MFJ
is real handy for trimming 2 meter mobile antenna, making a J-pole or
tuning a 2 meter IsoPole. The Autek RF-1 looks really handy for winding
coils and double-checking caps.

Some observations about the MFJ 259: It is a good instrument for the
purposes described in the manual but it is not a substitute for a general
purpose counter or an RF generator. I thought that I would use the
internal counter as general purpose counter for setting up LOs and stuff.
You would have to add a preamp because the counter input is not sensitive

enough for general use (I believe that there was some discussion of that on qrp-l in the past). I thought that I would use the internal RF generator as a test instrument but it is sort of 'wide-band'. Even though my original expectations were unreasonably high, I'm happy with it. It has been extremely useful.

An aside: At the Odenten Ham Fest a few months ago, I got an S&S Engineering FC-4 counter kit with a four digit add-on (8 digits). It was a kit, I had to buy it. It does not have a high impedance input but it is sensitive and just fine as a budget gp counter. The circuit board is a work of art. The board is extremely easy to solder.

73
Rich Bachmann
N3SLR

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: daxe@satscan.com (Dave Axe)
Subject: [7367] Re: Boxes
Message-ID: <199604190636.XAA28971@satscan.com>

Doug sent:

>Jim, the NorCal 40 Cases, the Sierra/Cascade cases, and the St. Louis
>Tuner cases are all made by sheet metal shops in the bay area. The
>problem is that you must order a minimum of 200 cases to get them to
>even quote you a decent price. We are talking $14 - 15 hundred dollars
>minimum here. Plus you have to buy the latches, screws, etc. Yes the
>cases are nice, but the only time that we have extras are when we do a
>run of projects and buy extras, usually 25 or so. We don't have the
>money to invest in the inventory that we would have if we kept them in
>stock. May be an opportunity for some enterprising soul. Forget
>getting small runs made. They won't even talk to you and I don't blame
>them.
>
>Hope this answers the question.
>72, Doug
>
>
>
Doug, I'd be delighted to get an empty NorCal 40A case in which to build accessories - like a battery pack in one compartment and a tuner in another. Are any empty 40A cases still available for sale? If so, put my name on one and let me know.

Betcha I'm not alone in this desire. Other 40A owners would have different ideas of what to stuff in there, I'm sure. Also, judging by the e-mail on QRP-L, some folks would just love to get ahold of the cases for all kinds of projects. And, the more cases initially ordered, the lower the price per case.

BTW, the 40A was a pleasure to build and is a pleasure to operate. First time in probably 40 years that I filled a whole page in my logbook with only CW contacts!!!

72 de w7agj
Dave Axe, Satscan Corporation / Cascade Technology
PO Box 1109, Sultan WA 98294-1109 (360)-793-3433 FAX: 793-0359

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: JEVERHART@cayman.vf.mmc.com
Subject: [7376] RE: Boxes
Message-ID: <960419083306.24211ab1@carib.vf.mmc.com>

Jim,

About what boxes to use...

Being basically cheap by nature, I use several techniques to build my own boxes. One is to fab them out of glass-epoxy pc board. I've had my NN1G 30-40 to a couple of NJ-QRP get-togethers in a box made by this method. Gotta admit it ain't the prettyiest thing in the world, but it is functional and pretty rugged.

My second method is to bend my own. Using the metal source we discussed at the last NJ-QRP meeting (Fazzio's), you can get lots of sheet metal for cheap. And as outlined in one of my Quarterly articles (Going on a Bender), you can cut it up with good tin snips and bend it yurself with an inexpensive metal bender ($30.00). My best success has been making "shadow" boxes out of two nested U's of metal. With some of your panel marking scheems you can make a real work of art in custom sized boxes this way.

72/73,

Joe E., N2CX

work: jeverhart@cayman.vf.mmc.com
home: v2cx@voicenet.com

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [7427] Re: Boxes -- A Possible Solution
Message-ID:
<Pine.SOL.3.91.960419201608.14350A-100000@conciliator.acsu.buffalo.edu>

Where do we send the Check? I need three boxes.

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: QLF%mimi@magic.itg.ti.com
Subject: [7381] re: BOXES etc, etc, etc, etc, ...
Message-ID: <9604191346.AA13016@itg.ti.com>

From: Brad Bradfield   QLF

Subj: re: BOXES etc, etc, etc, etc, ...

Being basically a scrounge kind of person (That's scrounge, not scroungy!! No smart comments allowed from Larry Jones!) I've been known to find some unique box at a flea market and immediately decide that it'd make a great project one day. No immediate idea what, but something great. I have a couple of the RS-232 T-switch boxes stored away too for just such a purpose. I bought a beautiful black anodized clamshell box for a buck one year and built my BayCom packet modem into it. But my favorite was a LAN modem box. This was injection molded and about 3/4"H x 4"W x 6"D. I bought that to build my CMOS-II keyer into. It was a shoehorn fit by the time I got batteries and everything into it, but it looks great. In addition to 300 baud modems, 1200 and 2400 baud modems can be had anymore for a couple bucks. They're great project boxes.

73's

Brad, WB0CGH
****
Brad Bradfield, PE   Electrical Design Engineer
(H) 817-321-2960   Texas Instruments, Inc.

(W) 214-462-6230

QLF@MSG.TI.COM
WB0CGH@WO5H.#DFW.TX.USA.NA
ARRL Life Member QRP-L #377 SMIRK #4906 IEEE(M)
Collector of wireless and landline Morse keys and accessories.
****

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Peter Theiler <ptheiler@teleplex.net>
Subject: [7362] Re: Front Panel
Message-ID: <199604190400.AAA09149@teleplex.net>

-- [From: Peter Theiler * EMC.Ver #2.5.02] --

I have also seen a similar method for front panel layouts that is effective. Using a transparency type film with your laser printer and using a CAD program, print the mirror image of your layout onto the film. You can then spray paint any color you like over the printed layout. Using double stick mounting tape affixed to the painted side you then stick your foil onto your panel. This way the printing is also protected.

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Dick <Dick@kanga.demon.co.uk>
Subject: [7369] Re: Front Panel Detailing for Homebrews
Message-ID: <fehZVIAVUldxEwHu@kanga>

In message <9604181707.AA28384@voder.nsc.com>, Mike Robinson
<miker@cc.com> writes

Who was this addressed to ????

Did we all get it ???

>Jerry,
>
>That's an excellent method and worthy of
>an article in one of the club publications.

>
>
>=-=
>NCARC Superfest, June 1st, Larimer County Fairgrounds, Colorado
>=-=
>7.3 de Michael AA0UB   miker@cc.com   michael@frii.com
>   http://www.frii.com/~michael
>   QRP-L #126   Norcal #857   CQC #180
>=-=
>

        Dick G0BPS / G0ROO
        Kanga Products
        The UK's leading supplier of QRP kits.
        http://ukinternet.com/ham/kanga

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Bob Hirsch <bobh@p3.net>
Subject: [7399] Re: G5RV Help
Message-ID: <1.5.4.32.19960419181428.0069cbe4@p3.net>

At 08:19 4.19.96 -0600, you wrote:
>Gang,
>
>I've got a new G5RV antenna that as soon as the March winds die (ya I now its
>April but this is Colorado and were about a month behind) Im going to put up.

>What is my best option? Is there a preferance as to the position of the
ground
>leg (i.e. the one with the dog leg (either option) or the straight run)?

>
>
Hi Brad --

The most important thing to remember here is that a G5RV is a center fed dipole, albeit of a certain length, but a dipole nontheless. As with all dipoles, and I use one too, the major lobes are going to be perpendicular to the plane of the wire. Wire east/west, major lobes north/south, and vice versa. However, and this is very important, that radiation pattern assumes the antenna will be mounted in the clear over good ground and a minimum of a half wave length high on the lowest operating frequency. You have not said how you intend to use the G5RV, but most people use them as an "all-bander", or at least a "multi-bander", and usually with a tuner as Louis Varney, G5RV, the designer, recommends. Now for the real world -- most of us who

use dipoles as multiband antennas cannot possibly get the antenna up a half wavelength on the lowest operating frequency, so therefore the radiation pattern becomes essentially omnidirectional.

This being the case, the best approach to putting it up becomes the old adage of whatever way gets it as high as possible in your situation. Put up your G5RV is whatever configuration keeps the largest part of the wire as high in the air as you can get it given your circumstances. As far as "flat-top" verses "inverted V" goes, if you have a choice in your location, there has also been much debate on this, but again since it is not going to be high enough for the "ideal" pattern anyway, the changes in radiation patterns between the two configurations are not going to hold to the rules. Again, higher is better, so if the flat top can get you a bigger portion of the wire higher than hang it that way. Dog leg or droop either or both legs as needed to fit into your QTH -- the basic omnidirectional pattern will not change significantly. It will make no difference which is the "ground leg" and which is the "hot leg"; connect either leg to either conductor of the feed line. RF is AC remember.

So hang as big a portion of it as high in the air as you can, without worrying about position, run it to a tuner if you can afford one or build one and have fun!

```
========================
   73 es CUL de KE3OB

            Bob Hirsch
           bobh@p3.net
        qrp-arci #8700
           qrp-l #450
              ARRL
========================
```

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [7414] Re: NORCAL 49-er kit shipdate?
Message-ID: <Pine.SOL.3.91.960419165523.7953B-100000@autarch.acsu.buffalo.edu>

I got one yesterday. I 'll finish it today and will have it ready for Sunday afternoon,. I hope the band is quieter by then :-)

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

On Fri, 19 Apr 1996, David Feldman wrote:

> I sent off for the Norcal 49-er kit but didn't figure out when those where due
> to ship from Jim Cates. Any word from the source on the expected shipdate?
> I'm still munching on Altoids so I have a while to go before my box will be
> ready ;-)
>
> 73 Dave WB0GAZ dgf@netcom.com
>
>

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Clark Savage Turner WA3JPG <turner@safety.ics.uci.edu>
Subject: [7433] Re: OHR 4 bander for sale - SOLD
Message-ID: <15776.829965240@safety.ics.uci.edu>

Well, Carmine is just another kind soul who priced the rig right....
it sold very quickly! Thanks for the bandwidth. Now Carmine can
get his QRP Plus updated :-) .

Clark
WA3JPG

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Grover Cleveland <wylde@nccn.net>
Subject: [7431] Re: Panel lettering, etc.
Message-ID: <317852DC.67F9@nccn.net>

A simple method to produce professional panels that I have used for
prototyping is this:

Create your artwork on the computer and print on plain paper (or colored
paper).

Go to your local print shop and ask them to set this paper in adhesive
laminate. What you get is an adhesive backing and your artwork protected
by a mylar film. It looks fabulous! The cost was something like $1 per

sheet.

regards,

Grover WT6P

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [7388] Re: PS Files
Message-ID: <Pine.OSF.3.91.960419090302.20453A-100000@duke.usask.ca>

There is a utility to handle ps files on a macintosh. I think it is
called sendps or something like that. You should probably check one of
the macintosh ftp site to find it. If you need help finding macintosh ftp
sites look at my home page

http://www.usask.ca/~buydens

under vendors.

Brian.

On Thu, 18 Apr 1996, Randy Pelt wrote:

> Is there a Mac user out there who can tell me how to convert post script
> files so my Mac can read them??
>
> Tnx in advance.
>
>
>
> Ranson J. Pelt
> Internal Audit Manager
> Virginia Tech 0328
> Blacksburg, VA 24061
> (540) 231-9475 Fax (540) 231-4681
>
> QST de nz4i   Semper Fi
>
>
>
>
>
>

+---+
| Brian Buydens, Computing Services, University of Saskatchewan |
| email: Brian.Buydens@usask.ca |
| VE5RDV |
+---+
| Albert Einstein, when asked to describe radio, replied: "You see, wire |
| telegraph is a kind of a very, very long cat. You pull his tail in New |
| York and his head is meowing in Los Angeles. Do you understand this? |
| And radio operates exactly the same way: you send signals here, they |
| receive them there. The only difference is that there is no cat." |
+---+

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: daxe@satscan.com (Dave Axe)
Subject: [7428] Re: PS files and GS
Message-ID: <199604200044.RAA00568@satscan.com>

Brian Buydens wrote:

>This is a long shot but you could try to read it into microsoft word, or
>aldus pagemaker as an encapsulated postscript(EPS) file. Off the top of my
>head I don't think the HP 600 supports postscript. Also there is
>a utility called ghostscript that works under DOS (and Unix too I think).
>
>Brian.
>

A few weeks back I got some .PS files off the 'net, but couldn't read them
for love nor money.

I tried to change PS to EPS and then run them in Word for Windows 6.0 - it
didn't work. Then I got Ghostscript and Ghostview off the Internet. These
worked great in converting .PS files into something my dot matrix printer
and I could read.

Sri, I don't have the URL or the ftp site for the Ghostscript stuff, but if
you climb aboard one of the web crawlers it shouldn't take long to find them.

73 de w7agj
Dave Axe, Satscan Corporation / Cascade Technology
PO Box 1109, Sultan WA 98294-1109 (360)-793-3433 FAX: 793-0359

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Jim Eshleman <lujce@hooch.cc.lehigh.edu>
Subject: [7432] Re: PS files and GS
Message-ID: <96Apr19.222845edt.57459-12037+3@hooch.CC.Lehigh.EDU>

> Sri, I don't have the URL or the ftp site for the Ghostscript stuff, but if
> you climb aboard one of the web crawlers it shouldn't take long to find them.

Gang,

  Ghostscript is available at:

     ftp://ftp.lehigh.edu/pub/listserv/qrp-l/tools

There may be a newer version out by now. Let me know...

73
Jim N3VXI

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Bob Patten <n4bp@bcfreenet.seflin.lib.fl.us>
Subject: [7372] Re: Q-Signals
Message-ID: <Pine.3.89.9604190754.B22937-0100000@bcfreenet.seflin.lib.fl.us>

On Thu, 18 Apr 1996, L. B. Cebik wrote:

> Brian wins as the first to notice the omission. Will have to omit a more
> obscure one next time. (What next time???)
>
You also omitted   QBL - You have a booger on your lip
     or in the form of a question:
             QBL? - Do I have a booger on my lip?

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Pat Taber <ptaber@logicraft.com>
Subject: [7408] Re: QN signals
Message-ID: <199604191926.PAA47167@nss2.CC.Lehigh.EDU>

At 01:37 PM 4/19/96 EDT, you wrote:
>Hi, Gang--
>
>The comments on the ARRL's QN signals left out (at least so far as I saw)
>an interesting point-- according to the Handbook, the QN codes belong to

>the ARRL and must only be used in nets. Not should, must.
>
While at first blush it looks like unbridaled vanity, there's more to it than meets the eye. 'Way back when radio was serious business, there were coordinating bodies for signals. The QN signals were never approved (or submitted for approval) by the coordinating bodies, therefore, the armchair lawyers argued, their use could be construed as the use of "codes or ciphers" as forbidden by the FCC. So the ARRL went to great lengths to underscore that the "codes" were freely distributed and used only for ham traffic nets.

>>>==>PStJTT

==========
Patrick Taber   Email: ptaber@logicraft.com
Principal Software Engineer   Phone: (603) 880-0300
Logicraft Information Services   Fax: (603) 880-7229
22 Cotton Road
Nashua N.H. 03063   Also known as: KC1TD

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Lynn Geitgey <lgeitgey@kumc.wpo.ukans.edu>
Subject: [7363] Re: QRP FD and N5INZ's BBQ Onions.... -Reply
Message-ID: <s176ceb1.039@POBOX.CC.UKANS.EDU>

Chuck, et al...

You forgot the SHF (Super Hot Fire) ;-)

If there are any Garlic LOVER's out there, try this recipe using Elephant Ear Garlic. It's fantastic!

Lynn

>>> chuck adams <adams@chuck.dallas.sgi.com> 04/18/96 05:13pm >>>
Kent et.al.,

OK, now you started it!!!

> 5 oz. QRO Onion
5 > weight > 1 oz. QRP Onion
1 > weight   QRPp Onion

Now should I cook them at HF (hot fire), VHF (very hot fire), or UHF (ultra hot fire, usually the butane torch 'cuz we're in a hurry here the bands are

hot). :-)

Sir, would you like red or white wine with that?

dit dit
--
Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Allen Jones <ajones@adsnet.com>
Subject: [7390] Re: St Louis Tuner L1/S2
Message-ID: <199604191609.LAA02615@alice.adsnet.com>

At 07:55 AM 4/19/96 MDT, you wrote:
>
>1) for L1, wound with taps at 3, 6, 10, 15, 20, 25, 30, 37, 44, 52, and the
end
>at 60 turns, which way is down in the schematic on page 10? The end with a
tap
>at 3 turns, or the end with a tap at 8 turns (60-52=8)?
>
Ted . . . I'm glad you asked this question. I was just getting ready to
compose a message to the list asking the same thing. Hope you get a reply
and, if the sender doesn't do so, forward it to the list.

Another thing that seems odd to me is that it looks like the *entire*
inductor is shorted out with the switch at its minimum inductance setting.
This would connect the junction of the two variable caps directly to ground.
I think the schematic in the instructions has a minor error as it has the
bottom of L1 floating when in fact it and the common contact of the switch
should go to ground. That's the way the March issue of QRPp has it (pg 56).

72/3 de Allen, K9DZE
==========
Allen Jones K9DZE ajones@adsnet.com
Michigan City, Indiana EN61nq
ARCI G-QRP NorCal QRP-L #112
==========

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "Brian.Buydens@usask.ca" <buydens@duke.usask.ca>
Subject: [7400] Re: Still doesn't work...
Message-ID: <Pine.OSF.3.91.960419121310.27723C-100000@duke.usask.ca>

This is a long shot but you could try to read it into microsoft word, or
aldus pagemaker as an encapsulated postscript(EPS) file. Off the top of my
head I don't think the HP 600 supports postscript. Also there is
a utility called ghostscript that works under DOS (and Unix too I think).

Brian.

On Fri, 19 Apr
1996, Vernon A. Hatley wrote:

> Guys,
>
> This is what it looks like when I load it into a word processor. (This is
> only a partial listing; it goes on for 19 pages like this.)
>
> My printer is a new HP 600 Deskjet. I looked in the manual for Post Script
> info; nada.
>
> I tried to send it direct to the printer; (in DOS); COPY file.ps LPT1; the
> printer spat out page after page of blank paper. Invisible ink maybe? I
> don't think so.
>
> --- cut ---
>
> %!PS-Adobe-1.0
> %%Creator: chuck:adams (chuck adams,,,,,,,)
> %%Title: stdin (ditroff)
> %%CreationDate: Wed Mar 8 11:27:32 1995
> %%EndComments
> % Start of psdit.pro -- prolog for ditroff translator
> % Copyright (c) 1985,1987 Adobe Systems Incorporated. All Rights Reserved.
> % GOVERNMENT END USERS: See Notice file in TranScript library directory
> % -- probably /usr/lib/ps/Notice
> % RCS: $Header: /depot/impressario/ism/filters/psroff/lib/RCS/psdit.pro,v
> 1.1 1993/05/26
> 22:58:19 baron Exp $
> /$DITroff 140 dict def $DITroff begin
> /fontnum 1 def /fontsize 10 def /fontheight 10 def /fontslant 0 def
> /xi {0 72 11 mul translate 72 resolution div dup neg scale 0 0 moveto
>   /fontnum 1 def /fontsize 10 def /fontheight 10 def /fontslant 0 def F
>   /pagesave save def}def
> /PB{save /psv exch def currentpoint translate
>   resolution 72 div dup neg scale 0 0 moveto}def

```
> /PE{psv restore}def
> /m1 matrix def /m2 matrix def /m3 matrix def /oldmat matrix def
> /tan{dup sin exch cos div}bind def
> /point{resolution 72 div mul}bind def
> /dround {transform round exch round exch itransform}bind def
> /xT{/devname exch def}def
> /xr{/mh exch def /my exch def /resolution exch def}def
> /xp{}def
> /xs{docsave restore end}def
> /xt{}def
> /xf{/fontname exch def /slotno exch def fontnames slotno get fontname eq
> not
>  {fonts slotno fontname findfont put fontnames slotno fontname put}if}def
> /xH{/fontheight exch def F}bind def
> /xS{/fontslant exch def F}bind def
> /s{/fontsize exch def /fontheight fontsize def F}bind def
> /f{/fontnum exch def F}bind def
> /F{fontheight 0 le {/fontheight fontsize def}if
>    fonts fontnum get fontsize point 0 0 fontheight point neg 0 0 m1 astore
>    fontslant 0 ne{1 0 fontslant tan 1 0 0 m2 astore m3 concatmatrix}if
>    makefont setfont .04 fontsize point mul 0 dround pop setlinewidth}bind
> def
> /X{exch currentpoint exch pop moveto show}bind def
> /N{3 1 roll moveto show}bind def
>
> --
> KK5RO                            Butternut Vertical
> Vernon A. Hatley               OHR Explorer II 40M
> QRP-L #325                      Ten-Tec Omni V
>
>
```


```
+--------------------------------------------------------------------------+
| Brian Buydens, Computing Services, University of Saskatchewan            |
| email: Brian.Buydens@usask.ca                                            |
| VE5RDV                                                                   |
+--------------------------------------------------------------------------+
```


```
| Albert Einstein, when asked to describe radio, replied: "You see, wire   |
| telegraph is a kind of a very, very long cat.  You pull his tail in New  |
| York and his head is meowing in Los Angeles.  Do you understand this?    |
| And radio operates exactly the same way: you send signals here, they     |
| receive them there.  The only difference is that there is no cat."       |
+--------------------------------------------------------------------------+
```


From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996

From: mizrahi@svlhp8.scs.philips.com
Subject: [7393] RE: Transmit freq shift for 40-9er
Message-ID: <9604191727.AA12671@svln20.scs.philips.com>

Larry East pointed out that the simple shift circuit is frequency
dependent. That's why it's simple... beats working at 100 Hz
offset by all means.
The cure would be to modify the inductor and capacitors in a way
that the ratio of Cmax/Cmin is much lower, or better off if we
pick values in a way that C21>>C6, like 10X. In this case we'll have
to consider tolerances very carefully, though.
Right now the ratio is (C6+C21)/C21=(50+5)/5=11, very high!
The added capacitance will be cancelled with added inductance in
a way that the deltas resonate at the operating frequency. This will
achieve similar peformance to the original circuit, or maybe one can
improve the range while at it!

For an example, suppose we elect to have (C6+C21)/C21=2, not ideal
but will improve the current situation.
If C6 remains at 50 pF max then C21 can be a 47 pF fixed cap (up
from 5 pF), close enough to the desired ratio of 2.
The inductor RFC6 can be increased to 27 uH from the original value
of 15 uH.
The deltas are 42 pF and 12 uH, resonating at 7.09 MHz - close enough!

The combination achieves about the same reactance range as the
original circuit while cutting the capacitance ratio drastically.
This was only an example. I recommend to experiment with lower
capacitance ratios to achieve a reasonable 200 Hz delta in offset,
something like 500-700Hz.
This is why I said that I'd love to experiment with the component
values of this circuit...

ORI

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Larry East <LVE1@inel.gov>
Subject: [7405] RE: Transmit freq shift for 40-9er
Message-ID: <2.2.16.19960419185124.3cdf9da0@134.20.32.17>

At 10:27 AM 4/19/96 PDT, mizrahi@svlhp8.scs.philips.com wrote:
>
>For an example, suppose we elect to have (C6+C21)/C21=2, not ideal
>but will improve the current situation.
>If C6 remains at 50 pF max then C21 can be a 47 pF fixed cap (up

>from 5 pF), close enough to the desired ratio of 2.
>The inductor RFC6 can be increased to 27 uH from the original value
>of 15 uH.
>The deltas are 42 pF and 12 uH, resonating at 7.09 MHz - close enough!
>
>The combination achieves about the same reactance range as the
>original circuit while cutting the capacitance ratio drastically.
>This was only an example. I recommend to experiment with lower
>capacitance ratios to achieve a reasonable 200 Hz delta in offset,
>something like 500-700Hz.
>
Seems to me this would drastically reduce the VXO tuning range -- to about
500Hz or so. Obvioulsly, if the tuning range is reduced, then the variation
in the offset as a function of operating frequency will also be reduced...

If anyone comes up with a working solution, I would like to hear about it.

Larry, W1HUE

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: mizrahi@svlhp8.scs.philips.com
Subject: [7416] Re: Transmit freq shift for 40-9er
Message-ID: <9604192141.AA21217@svln20.scs.philips.com>

I wrote earlier that changing the ratio of Cmin,Cmax will change the
offset sensitivity.
Larry East commented that this won't work and I agree with him.
Actually the circuit will do roughly the same as the original...
So, hold off your soldering irons, for some time - I hope...
Should you implement the circuit that was described by Alan Kaul?
Absolutely. It's better to work with a varying pitch than with
no pitch at all...

ORI AC6AN

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [7410] Re: web advertising offer
Message-ID: <199604191947.NAA10865@zia.aoc.nrao.edu>

Kent (and rest of the gang),
What I got a kick out of is why should we trust them to do all this
neat, nifty web development when the clown can't even fill in the

subject line correctly on a mere email.

I have already emailed them to keep his commercial web crap off our beloved HOBBY internet group. I suggest everyone who finds this commercial traffic to be an intrusion to do the same. A few hundred emails simply saying stay off of QRP-L should bog up his mail box enough to get the message. It's about the third one this week, isn't it?
Paul NA5N

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: "J. Skalski" <jskalski@acsu.buffalo.edu>
Subject: [7415] Re: web advertising offer
Message-ID: <Pine.SOL.3.91.960419165841.7953C-100000@autarch.acsu.buffalo.edu>

No advertising -P-L-E-A-S-E

73,

Jim N2GO
The Buffalo QRP CONNECTION
ARCI #9013 QRP-L #381
jskalski@acsu.Buffalo.EDU

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: prvalko <prvalko@oakland.edu>
Subject: [7404] Re: your mail
Message-ID: <Pine.OSF.3.91.960419144245.12939A-100000@saturn.acs.oakland.edu>

On Fri, 19 Apr 1996 gabriel@Riddler.COM wrote:

> Subject: Your site is perfect!
> Dear web developer,

[Money-grubbing, commercial spam posted to a LISTSERVER snipped]

-click-

Did I just hear the sound of dozens of flamethrowers being lit?

=paul=

From owner-qrp-l@Lehigh.EDU Fri Apr 19 22:09:51 1996
From: N5EM@aol.com
Subject: [7422] Re: your mail
Message-ID: <960419182159_276200959@emout14.mail.aol.com>

In a message dated 96-04-19 18:04:49 EDT, you write:

>On Fri, 19 Apr 1996 gabriel@Riddler.COM wrote:
>
>> Subject: Your site is perfect!
>> Dear web developer,
>
>[Money-grubbing, commercial spam posted to a LISTSERVER snipped]
>
>-click-
>
>Did I just hear the sound of dozens of flamethrowers being lit?
>
>=paul=
>
>

Please folks, lets just try to IGNORE the occassional lack of good taste and commercialism of the uninitiated. I sure hope this doesn't turn into another Post Office type discussion :-)

Ed, N5EM